Work April 21,	Ord	er	ID	5800
April 21,	2010	12:	54:27	PM



Page 1

Insp.

Stamp

1 Item ID: D412-702-121B Accept Setup Start Revision ID: Stop Item Name: Harness Assembly **Start Date:** 21/04/2010 Start Qty: 1.00 **Cust Item ID:** Required Date: 28/04/2010 Req'd Qty: 1.00 **Customer:** Reference: Run Start Date: Approvals: Process Plan: Tooling: Date: Stop QC: Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ Draw Plan Accept Reject Draw Reject Work Center ID Description Run Hours Number Rev. Code Oty Otv Number Draw Nbr Revision Nbr DSI 9469 Α 50 0.00 0.00 Memo Document Control Photocopy bluefile &type labels per PPP D412-702-121B / DSI 9469 CHG00i Pick Kit 0.00 Packaging* 0.00 Memo Packaging 110 0.00

0.00

Small Fab Memo Small Fab Assemble as per DSI9469

Dart Aerospace Ltd	ł
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									ŧ.
W/O:			V	ORK ORDER CHANGE	S				
DATE	STEP	PRO	DCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		e e e e e e e e e e e e e e e e e e e						1	
		1							·
	j.								
Part No	•	PAR #:	Fault Ca	tegory:	NCR: Yes	No DQA	\:	Date:	
	Re	esolution:	Disposit	ion:	QA: N/C CI	osed:		Date: _	
NCR:			WORK OR	DER NON-CONFORMAN	ICE (NCF	R)	1-00		* ***
DATE	STEP	Description of NC		Corrective Action Section		Verific	ation	Approval	Approval
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Section	on C	Chief Eng	QC Inspector
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Work	Ord	er ID	5800
April 21,	2010	12:54:27	PM



Page 2

Item ID:

D412-702-121B

Revision ID:

Item Name:

Harness Assembly

Start Date:

21/04/2010

Start Qty: 1.00

QC:



Date: _____

Accept



Setup Start

Stop



Required Date: 28/04/2010

Reference:

04/2010	Req a Qty: 1.00		
		į	

Cust Item ID: Customer:

Ann	rovals:	

Process Plan:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Run Start

Stop

Sequence ID/ **Work Center ID**

120

Quality Control

Operation **Description**

QC5- Inspect part completeness to step on W/O

Set Up/ **Run Hours** Draw Number

Draw Plan Rev. Code

Accept Qty

Reject Qty

Reject Number Stamp

Insp.

Memo

0.00

130

Packaging

Memo

0.00

0.00

Packaging

Identify and pack for shipping as per PPP D412-702-123B / DSI 9469

Location:

PPP rev:

140

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

No 104/219

W/O:			WO	RK ORDER CHANG	ES			
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date Qt	Approval Chief Eng / Prod Mgr	Approval- QC Inspector
Part No		PAR #:						
	R	esolution:					Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCR)		
DATE	STEP	Description of NC		Corrective Action Section		Verification	n Approval	Approval
	O I E I	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
							į	
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Picklist Print

April 21, 2010 12:54:31 PM

Work Order ID: 58001

D412-702-121B

Parent Item Name: Harness Assembly

Comments:

Parent Item:



Start Date: 21/04/2010

Required Date: 28/04/2010

Start Qty: 1.00

Required Qty: 1.00

								`	eart Qty. 1.00		Required Qty. 1.0	70
	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
03570-3 		Manufactured	No				Each	16.0000	1.0000	£510,	104/20	
				Warehou	<u>se</u>	Loc (Qty	Loc Code				
				Locat	tion .							
				Main War	ehouse							
				ST24	5A		16					
					52885	1.	16					
3579-047		Manufactured	No				Each	2.0000	1.0000	0		
										LAS 10	104/26	
houlder Harness		•		<u>Warehou</u>	ee.	<u>Loc (</u>) for	Loc Code				
		 		Locat		<u> Luc (</u>	<u> 217</u>	Loc Code				
		 		Main War								
		į		ST27			2					
					55682		2			1		_
/IS24694-S50	12012(8 (8) 2 ())) 20 () (8 2)	Purchased	No				Each	122.0000			. 1	7
		1								E/S/	0/04/21	
crew											9 9 9	2 —
	•	Ė		<u>Warehou</u>		Loc (Qty	Loc Code				
		·		Locat								
				Main War								
				ST28			122		*******	il		
					113538		122					

Page 1

Dart Aerospace Ltd

W/O:					WC	RK ORDER CH	ANGES					:
DATE	STEP		P	ROCEDUF	RE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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		<u>.</u>										
				· · · · · · · · · · · · · · · · · · ·	·							
Part No						gory:						
	R	esolution:				n:					Date:	
NCR:		1		WORK	ORDI	ER NON-CONFO	RMANCE	(NCR)				
DATE	STEP	Descrip	otion of NC	lni	tial	Corrective Action Action Descrip	Section B	Sign &	Verific		Approval	Approval
		Se	ction A		f Eng	Chief Eng		Date	Section	on C	Chief Eng	QC Inspector
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Picklist Print

April 21, 2010 12:54:31 PM

Work Order ID: 58001

Parent Item:

D412-702-121B

Parent Item Name: Harness Assembly



Start Date: 21/04/2010

Required Date: 28/04/2010

Page 2

Comments:									tart Qty: 1.00	72010	Required Oate: 2	
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN960JD10L Washer QS I 01		Purchased	No				Each	4,445.000	4.0000	3/0	104/26	
	, , 332. 323.7				ation	Loc (<u>Oty</u>	Loc Code				
\mathcal{M}_{II}	3257	(42)		Main W ST3			4445					
MS21042L3		Purchased	No		110985	,	4445 Each	1,089.000	1.0000	1501	04/26	•
		†		<u>Wareho</u> <u>Loc</u>	use ation	Loc	Qty	Loc Code			7	
T.		1		Main W	arehouse							
				ST3	00		1089					
1					113537 113644		105 984			1		

D3569-3

Decal

Manufactured

No

984 Each

2.0000

1.0000

150/04/2C

Warehouse Loc Oty Location Main Warehouse

ST245A

56385

Loc Code

April 21, 2010 12:54:31 PM

Shop Packet Print

Page 2

Dart A	Aerosi	pace	Ltd
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W/O:			W	ORK ORDER CHANG	GES	······································		1	
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approvál QC Inspector
		,							
		,							
Part No	•	PAR #:	Fault Cate	gory:	NCR: Ye	No DQ	A:	Date:	
		esolution:							
NCR:		V	ORK ORD	ER NON-CONFORM	ANCE (NC	R)			
DATE	STEP	Description of NC			tion B	Verifi	cation	Approval	Approval
		Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat	e Sect	ion C	Chief Eng	QC Inspector
	}								
	1.2								
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ENGINEERING UNCONTROLLED COPY

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. E AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-702 REV. 3

REF TCCA STC: SH04-7 REF FAA STC: SR01997NY REF EASA STC: EASA.IM.R.S.00710 WITHOUT NOTE: 9 WORK ORDI県 Pl10-4-2

Update the D412-702-041A/045A/-041B/-045B kits for compatibility with the Dart D412-769-011 Aft Facing Seat Kit.

Quantity (1) each of D412-702-111A/-113A is replaced with D412-702-121A/-123A. Also Qty (4) x AN4-27A bolts are added to the kits for compatability with the Dart seat. When installing the AN4 bolts in the Dart seat, open the Ø0.188" holes to Ø0.257" (see sheet 4 detail J of this service instruction for reference). Alternate nuts added (see flag note 2 & 3, sheet 4). The parts list in section 25.28 (pg. 87) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 38) of IIN-D412-702 Rev. E is amended as follows:

QTY -041A	QTY -043A	QTY -045A	QTY -047A	QTY -049A	PART NUMBER	DESCRIPTION
Х					D412-702-041A	Dart 13-Man 3-Point Shoulder Harness Kit
		X			D412-702-045A	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit
IS:						•
						T1
1		1			D412-702-111A	HARNESS ASSEMBLY (EXISTING)
1		1			D412-702-121A	HARNESS ASSEMBLY (NEW)
1*		1*			D3570-3	BRACKET
1*		1*			D3579-043	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
1*		1*			MS21042L3	NUT
1*		1*			D3569-1	DECAL
1		1]			D412-702-113A	HARNESS ASSEMBLY (EXISTING)
1		1			D412-702-123A	HARNESS ASSEMBLY (NEW)
1*		1*			D3570-4	BRACKET
1*		1*			D3579-044	SHOULDER HARNESS
4*	Ì	4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
1*		1*			MS21042L3	NUT
1*		1*			D3569-2	DECAL
4		4			AN4-27A	BOLT (NEW)
						
WAS:						4
$\overline{}$					5/46 505 444	HABUEGO A SOFTANIA
2		2			D412-702-111A	HARNESS ASSEMBLY
<u>_</u>					W. 12 - 12 - 11 - 1	
-2	CONTRACTOR OF	-2			D412-702-113A	HARNESS ASSEMBLY
<u> </u>		1	<u> </u>			\
" DENO	ILS II	IAT PAF	CI IS INC	JLUDED	WITH ASSEMBLY	/ ABOVE

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION **BRANCH** DAO # 01-O-01

DATE: 10.01.13 CERT. NO.: SH04-7 ISSUE NO .:

С	UPDAT	E MS51865	JPH	10.01.13	
В	ADD FL	AG NOTE 2	& 3 AND OPEN AN3 HOLES TO AN4	CP	09.12.10
Α	NEW IS	SUE, NCR	09-068	CP	09.06.30
REV.		-4-	DESCRIPTION	BY	DATE
DESIGN	·	#/.	DART AEROSP	ACE	LTD
DRAWN		У.	HAWKESBURY, ONTAR		
CHECKE	D	4	DRAWING NO.		REV. C
MFG. AF	PR.	N/À	DSI 9469	S	HEET 1 OF 5
APPRO\	/ED	/WP	TITLE		SCALE
DE APPI	₹.	#	AFT-FACING SEAT UPDATE	E - 1	, NTS
DATE	10.0	1.13	COPYRIGHT @ 2009 BY DART AR THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED IN WOLLD BE USED FOR ANY PURPLISE OR COPIED OR COMMUNICA WINTED PERMISSION FROM DAYS ARE	ON THE EXPRESS TED TO ANY OTH	CONDITION THAT IT IS

Dart	Aero	space	Ltd
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W/O:		WORK ORDER CHANGES						
DATE	STEP	F	PROCEDURE CHA	NGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
9.4			,					
Part No	•	PAR #:	Fault Cate	egory:	NCR: Yes I	No DQA:	Date: _	
	Res	olution:	Disposition	on:	_ QA: N/C Clo	sed:	Date: _	-
NCR:		3	WORK ORD	ER NON-CONFORM	ANCE (NCR))		
DATE	STEP	Description of NC	Initial		ion B	Verification		Approval
		Section A	Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
		:						
		•						
		:						

JO 5900

The parts list in section 25.28 (pg. 93) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 40) of IIN-D412-702 Rev. E is amended as follows:

QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	PART NUMBER	DESCRIPTION
X					D412-702-041B	Dart 13-Man 3-Point Shoulder Harness Kit
		X			D412-702-045B	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit
1\$:						•
				l		TA
1		1			D412-702-111B	HARNESS ASSEMBLY (EXISTING)
1		1			D412-702-121B	HARNESS ASSEMBLY (NEW)
1*		1*			D3570-3	BRACKET
1*		1*			D3579-047	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
1*		1*			MS21042L3	NUT
1*		1*			D3569-3	DECAL
1		1			D412-702-113B	HARNESS ASSEMBLY (EXISTING)
1		1			D412-702-123B	HARNESS ASSEMBLY (NEW)
1*		1*			D3570-4	BRACKET
1*		1*			D3579-048	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
1*		1*			MS21042L3	NUT
1*		1*			D3569-3	DECAL
4		4			AN4-27A	BOLT (ADD)
						L
WAS:			,			
2		2			D412-702-111B	HARNESS ASSEMBLY
					D-12-142-1110	THE WITEOUT COLLEGE
2		2		-	D412-702-113B	HARNESS ASSEMBLY
						A

^{*} DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

BY: D. SHEPHERD (DE # 02)

DATE: 10.01,13
CERT. NO.: SH04-7
ISSUE NO.: 3

DESIGN	Al	DART AEROSPAC	ELTD
DRAWN	H.	HAWKESBURY, ONTARIO, C	ANADA
CHECKED	#	DRAWING NO.	REV. C
MFG. APPR.	N/A	DSI 9469	SHEET 2 OF 5
APPROVED	MA	TITLE	SCALE
DE APPR.	#	AFT-FACING SEAT UPDATE	NTS
DATE 10.0)1.13	COPYRIGHT © 2009 BY DART AEROS THIS DOCUMENT IS PRIVATE AND COMPONENTIAL AND IS SUPPLIED ON THE NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO WRITTEN PERMISSION FROM DART AEROSPACE	EXPRESS CONDITION THAT IT IS ANY OTHER PERSON WITHOUT

Dart Aerospace Ltd

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W/O:		WORK ORDER CHANGES							
DATE	STEP	PR	OCEDURE CHAP	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
									
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Part No	:	PAR #:	Fault Categ	jory:	NCR: Yes	No DQA:		_ Date: _	
	Reso	olution:	Disposition	ı:	QA: N/C CI	osed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCR	1)			
DATE	STEP	Description of NC		Corrective Action Section		Verifica	tion	Approval	Approval
		Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section	С	Chief Eng	QC Inspector
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Figures 4.8 (pg. 25) of IIN-D412-702 Rev. E and 25.12 (pg. 69) of ICA-D412-702 Rev. 3 are updated as follows:

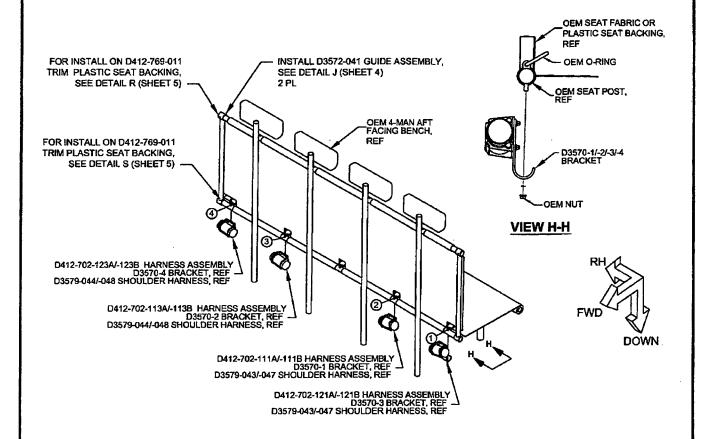
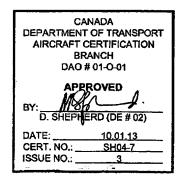


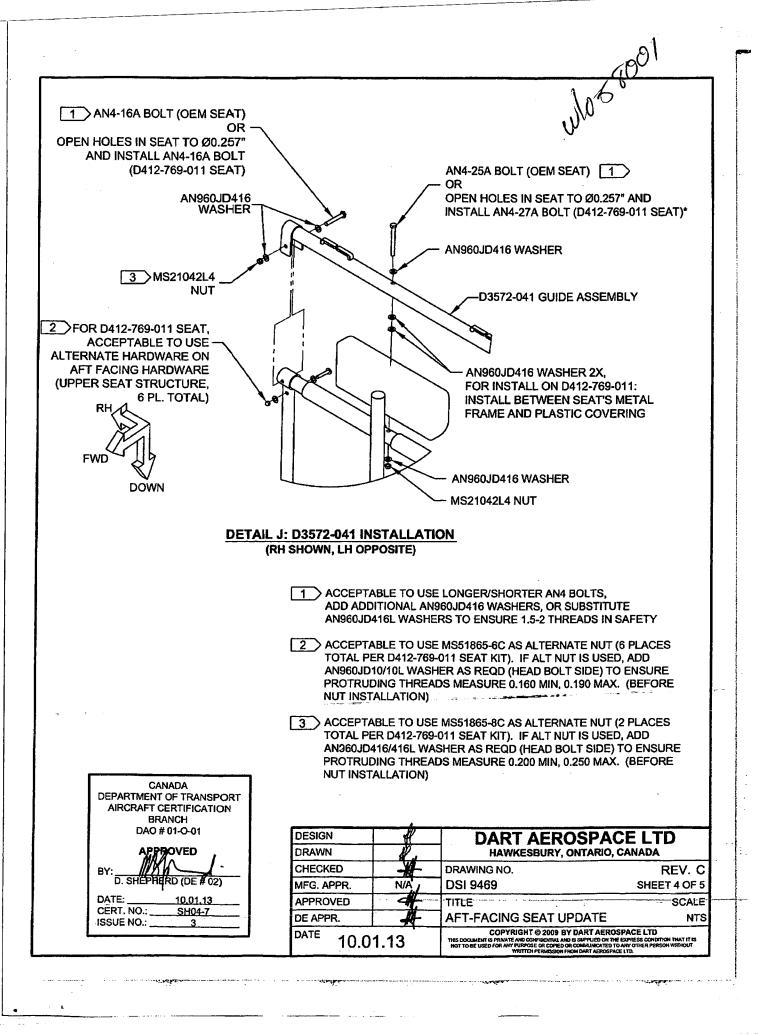
FIGURE 4.8. SHOULDER BELT INSTALLATION FIGURE 25.12 D412-702-045A/-045B 4-MAN 3-POINT AFT FACING SHOULDER HARNESS KIT



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DRAWN	1 1/2	HAWKESBURY, ONTARIO, C	
CHECKED	#	DRAWING NO.	REV. C
MFG. APPR.	N/A	DSI 9469	SHEET 3 OF 5
APPROVED	, MAN	TITLE	SCALE
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DATE 10.0	1.13	COPYRIGHT © 2009 BY DART AEROS THIS DOCUMENT IS PRIVATE AND CONTIDENTIAL AND IS SUPPLIED ON THE INOT TO BE USED FOR ANY PURPOSE ON COPIED OR COMMUNICATION TO WRITTEN PERVISSION PROM MART AEROSPACE WRITTEN PERVISSION PROM MART AEROSPACE	EXPRESS CONDITION THAT IT IS ANY OTHER PERSON WITHOUT

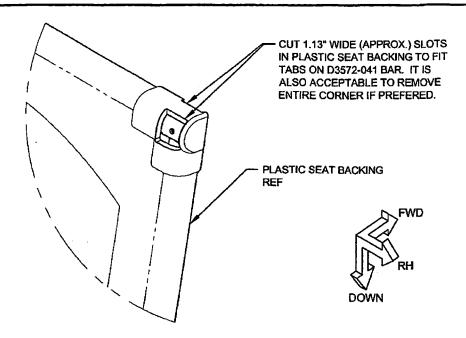
Dart Aerospace Ltd

W/O:		·	W	ORK ORDER CHA	NGES					
DATE	STEP	PR	OCEDURE CHA	ANGE	В	Ву	Date (Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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	Re	esolution:	Disposition	on:	QA: N	/C Clos	sed:		Date:	
NCR:			WORK ORD	ER NON-CONFOR	MANCE (I	NCR)				· · · · · · · · · · · · · · · · · · ·
DATE	STEP	Description of NC			Section B		Verificat	ion	Approval	Approval
———	O.L.	Section A	Initial Chief Eng	Action Description Chief Eng		ign & Date	Section	С	Chief Eng	QC Inspector
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				PFA-MEN						



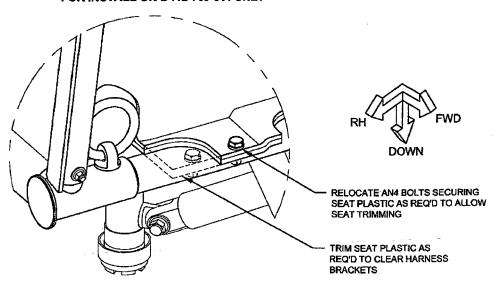
Dart Aerospace

W/O:		WORK ORDER CHANGES									
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DETAIL R
VIEW LOOKING AT FRONT OF SEAT BACKING, TOP-RH CORNER SHOWN (TOP-LH CORNER SIMILAR),
FOR INSTALL ON D412-769-011 ONLY

DESIGN



VIEW LOOKING AT REAR OF SEAT, BOTTOM-RH CORNER SHOWN (BOTTOM-LH CORNER SIMILAR), FOR INSTALL ON D412-769-011 ONLY

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01
APPROVED

D. SHEPHERD (DE #02)

DRAWN	1 97,	MANNESBURT, UNTARIO, CANADA				
CHECKED	#	DRAWING NO.	REV. C			
MFG. APPR.	N/A	DSI 9469	SHEET 5 OF 5			
APPROVED	TAR	TITLE	SCALE			
DE APPR.	##	AFT-FACING SEAT UPDATE	NTS			
DATE 10.0	01.13	COPYRIGHT @ 2009 BY DART AEROSPACE LTD THIS COCUMENT IS PREVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR MAY PURPOSE OR COMED OR COMMANCATED TO ANY OTHER PERSON WITHOUT WHITTEN PERMISSION FROM DART AEROSPACE LTD.				

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Dart	Aero	space	Ltd
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W/O:		WORK ORDER CHANGES											
DATE	STEP		PROCEDURE CHANGE					Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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										,			
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			: Disposition:										
NCR:			· V	VORK ORD	ER NON-CONFORI	MANCE	(NCR)						
DATE	STEP	Description of NC Section A	of NC	Corrective Action Sec *Initial Action Description		ection B			ication tion C	Approval Chief Eng	Approval QC Inspector		
		, 00011011		Chief Eng	Chief Eng		Date	Jectic		Office Eng	QC IIIspector		
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